

TOMSON CHINNAPPAN

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OBJECTIVE

To be a part of a successful establishment and do challenging projects, demanding all my skills and efforts in the field of Research, Design and Development, to be a Techno-Managerial person to serve mankind, contributing to the development of the organization, with an impressive performance.

SUMMARY

Currently working with SCANIA India Pvt. Ltd (Bangalore) as a Deputy Manager handling Application Engineering for Engine Business. Previously was working with Mahindra at MRV, Chennai and Mumbai for Powertrain Business handling Design and Development of Engines, Application Engineering for Off-high way Equipments for 7.5 years, 6 months experience in design and development of ATV (All Terrain Vehicle) for SAE BAJA 2011 race held at Indore. 3 months experience in INRC rally workshop and POLO cup, technical consultant for Car modification Designs, car body moldings and styling accessories

TECHNICAL SKILLS

- Experience in working with different CAD modeling software's
- Reverse engineering of competitive technology in the existing market and contributing to the development activities of similar products
- Sound Knowledge in Intake, Exhaust, Lubrication, Cooling System, Integration of engine and selection of Power train Mounts based on application
- Good knowledge in off road construction equipment's and Industrial Engines
- Good Understanding and knowledge to use SAP, BOM, EBOM....
- Knowledge in DFMEA, DFA, DFS, GD & T, Tolerance stack-up
- Experience in preparing drawing and part developments with various suppliers
- Knowledge in testing and validation of Engines
- Standardization of components for various applications
- CAD software skills (NX, Pro/E(Creo), CatiaV5, Ideas, FEA Software - Ansys)
- Other IT skills (Teamcenter, MS, Photoshop, Video and Audio editing)
- Driving Skills (Off roading)

PROFESSIONAL EXPERIENCE

- (a) **Scania Commercial Vehicles India Pvt. Ltd** (Bangalore, India), April -19 till date
Role – Deputy Manager (Application Engineering), Engines
- (b) **Mahindra Power Train Department** (Chennai, India), Nov-16 till to March -19
Role – Senior Engineer (Design & Application Engineering), Powertrain
- (c) **Mahindra Powerol – Industrial Engines** (Mumbai, India), Aug-11 to Nov-16
Role – Deputy Manager (Design & Application Engineering), off High way engines (Industrial Engines)
- (d) **BAJA SAE 2011** (Coimbatore, India), Aug-10 to Feb-11
Role – Designer, ATV (All Terrain Vehicles)

PROJECTS HANDLED

- Design and development of engines for various off road and on road application, Integration of these engines on various equipments
- Cost Re-Engineering of Engine Components to reduce overall engine cost.
- Field issues, Customer complaints, CVLs, Warranty projects for all existing and new products
- Being an Engine Application engineer following are the projects handled which includes Market study, benchmarking, design, development and integration of Mahindra and Scania products for particular application it includes validation, field trials and sign off with OEMs
- ✓ Applications – Vibratory Compactor, Sweeping Machine, Rock Drill machine, Self Loading Transit Mixture, Forklift, Skid steer Loaders, Compressors, Marine Engines, PCC Crane, Concrete Pump, Transit Mixture, Backhoe Loader....
- ✓ Customers – L&T, Roots Multi Clean, Atlas Copco, Ajax Fiori, ACE, Godrej, Speedcraft, RNG, Mather & Plat, Schwing Stetter, BULL Machineries.

PROCESS KNOWLEDGE

- Design for Six Sigma – Green Belt
- Mahindra Yellow belt – TQM
- Deming Certifications
- Real World Usage Pattern study
- Benchmarking process
- Validation process
- New Product Development Process

INDUSTRIAL EXPERIENCE SUMMARY

- News letter preparation on new trends in market, updates on zone wise activity and information about new applications and the major players in each segment
- Visit to OEMs for technical support along with sales team
- Visit to end customer to understand the field usage patterns and issues faced on engines
- Trainings conducted and organized for field technicians in customer care and for sales team to enrich their product knowledge
- Reviewing customer feedback and ensuring the quality of the production in each new product
- Technical presentations, to support the introduction of new concepts comprising of Process modification and its standardization
- Drawing and 3D model preparation of engine parts for new applications
- 3D Mock Up assembly of Engine for Application
- Part drawing and development of new parts

- Proto assembly of engines
- Installation and clearance for new application
- Field testing and validation of vehicles and equipment through data logger
- Vibration study of engines and field trials with various Anti Vibration mounts to arrest the vibration transfer to the body
- ORC resolution and Field study of engines for seeding batch
- Literature preparation and assisting in preparation parts catalogue for newly launched products
- Product Improvement projects on existing product's to reduce warranty issues
- SOR preparation as per requirement for supplier components
- Release of Product launch bulletin
- Preparation of Bill of materials, Add- delete list and working in SAP & Teamcenter Knowledge
- New Process Development for PAE process for smooth delivery of products

EDUCATIONAL QUALIFICATION

- **PGPMS** – Welingkar Institute of Management, Mumbai – 73.5% (2014 – 2016)
- **B.E (Mechanical Engineering)** – VLB Janakiammal College of Engineering and Technology, Coimbatore. – 82.7% (2007- 2011).
- **12th** – Viswadeepthi Matriculation Higher Sec.School, Pollachi, Coimbatore – 81.8% (2007).
- **10th** – Beula Matriculation School, Valparai, Coimbatore – 84.3% (2005).

PERSONAL DETAILS

Nationality	:	Indian
Date of birth	:	03 July 1989
Fathers Name	:	P D Chinnappan
Current Location	:	Bangalore, India
Permanent Location	:	Coimbatore, Tamil Nadu
Family status	:	Married
Passport No	:	U6786255
Languages Known	:	English, Malayalam, Hindi and Tamil
Hobbies	:	Driving, Trekking, Travelling and Photography



DECLARATION

I hereby declare that the above-mentioned information is true and correct to the best of my knowledge.

Place : Bangalore

Date : 07-Nov-2020